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26 SEP 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Foster *et al.*

Appl. No. U.S. Natl. Phase of
PCT/GB00/01247

Filed: (Int'l. Filing Date: March 31, 2000)

For: **Use of A Lectin or Conjugates
For Modulation of C-Fibre
Activity**

Art Unit: *To Be Assigned*

Examiner: *To Be Assigned*

Atty. Docket: 1581.0870000/RWE/MTT

Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language document AM1 cited on Form PTO 1449:

Document **AL1**, European Patent No. EP 0 602 686 A2 is in the German language. An English language abstract of document **AL1** is attached as document **AT6**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not

be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

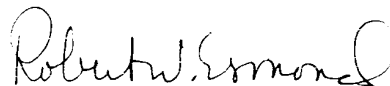
This Information Disclosure Statement is being filed within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this pleading is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicants
Registration No. 32,893

Date: Sept. 26, 2001

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1581.0870000/RWE/MTT	APPLICATION NO. U.S. National Phase of PCT/GB00/01247
	APPLICANT Foster et al.	
	INT'L FILING DATE: March 31, 2000	GROUP To Be Assigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	5,433,946	07/18/1995	Allen, Jr. et al.	424	94.3	01/14/1994
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	EP 0 602 686 A2	06/22/1994	Europe			Abstract Yes No
	AM1	WO 94/21300	09/29/1994	WIPO			Yes No
	AN1	WO 96/33273	10/24/1996	WIPO			Yes No
	AO1	WO 99/17806	04/15/1999	WIPO			Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	<u>1</u>	Arango, R., et al., "Cloning and sequence analysis of the <i>Erythrina corallodendron</i> lectin cDNA," <i>FEBS Lett.</i> 264:109-111, Elsevier Science (1990).	
AS	<u>1</u>	Arango, R., et al., "Expression of <i>Erythrina corallodendron</i> lectin in <i>Escherichia coli</i> ," <i>Eur. J. Biochem.</i> 205:575-581, Blackwell Science Ltd. (1992).	
AT	<u>1</u>	Diaz, A. and Dickenson, A.H., "Blockade of spinal N- and P-type, but not L-type, calcium channels inhibits the excitability of rat dorsal horn neurones produced by subcutaneous formalin inflammation," <i>Pain</i> 69:93-100, Elsevier Science Ireland Ltd. (1997).	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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26 SEP 2001

Page 2 of 6

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	12	Edmonds, B.T. and Koenig, E., "Transmembrane Cytoskeletal Modulation in Preterminal Growing Axons: I. Arrest of Bulk and Organelle Transport in Goldfish Retinal Ganglion Cell Axons Regenerating In Vitro by Lectins Binding to Sialoglycoconjugates," <i>Cell Motil. Cytoskeleton</i> 17:106-117, Wiley-Liss, Inc. (1990).
AS	12	Edmonds, B.T. and Koenig, E., "Transmembrane cytoskeletal modulation in preterminal growing axons. II. <i>Limax flavus</i> agglutinin-induced receptor redistribution, capping and internalization in varicosities of growing axons," <i>J. Neurocytology</i> 20:232-247, Chapman and Hall Ltd. (1991).
AT	12	Garber, N., et al., "On the specificity of the α -galactose-binding lectin (PA-I) of <i>Pseudomonas aeruginosa</i> and its strong binding to hydrophobic derivatives of α -galactose and thiogalactose," <i>Biochem. Biophys. Acta</i> 1116:331-333, Elsevier Science (1992).

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Page 3 of 6

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	<u>3</u>	Garret, C., et al., "Pharmacological properties of a potent and selective nonpeptide substance P antagonist," <i>Proc. Natl. Acad. Sci. (USA)</i> 88:10208-10212, National Academy of Sciences (1991).	
AS	<u>3</u>	Gupta, D., et al., "Differences in the Cross-Linking Activities of Native and Recombinant <i>Erythrina corallodendron</i> Lectin with Asialofetuin. Evidence for Carbohydrate-Carbohydrate Interactions in Lectin-Glycoprotein Complexes," <i>Biochemistry</i> 33:2503-2508, American Chemical Society (1994).	
AT	<u>3</u>	Heilman, R.D., et al., "An Evaluation of the Hot Plate Technique to Study Narcotic Antagonists," <i>Res. Comm. Chem. Path. Pharm.</i> 13:635-647, PJD Publications Ltd. (1976).	

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>4</u>	Iglesias, J.L., et al., "Purification and Properties of a α -Galactose/ <i>N</i> -Acetyl- α -galactosamine-Specific Lectin from <i>Erythrina cristagalli</i> ," <i>Eur. J. Biochem.</i> 123:247-252, Blackwell Science Ltd. (1982).
AS	<u>4</u>	Lembeck, F. and Holzer, P., "Substance P as Neurogenic Mediator of Antidromic Vasodilation and Neurogenic Plasma Extravasation," <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> 310:175-183, Springer-Verlag (1979).
AT	<u>4</u>	Pintér, E., et al., "Lack of evidence for tachykinin NK ₁ receptor-mediated neutrophil accumulation in the rat cutaneous microvasculature by thermal injury," <i>Eur. J. Pharmacol.</i> 369:91-98, Elsevier Science (March 1999).

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26 SEP 2001

Page 5 of 6

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	5	Shone, C.C., et al., "A 50-kDa fragment from the NH ₂ -terminus of the heavy subunit of <i>Clostridium botulinum</i> type A neurotoxin forms channels in lipid vesicles," <i>Eur. J. Biochem.</i> 167:175-180, Blackwell Science Ltd. (1987).
AS	5	Silverman, J.D. and Kruger, L., "Selective neuronal glycoconjugate expression in sensory and autonomic ganglia: relation of lectin reactivity to peptide and enzyme markers," <i>J. Neurocytology</i> 19:789-801, Chapman and Hall Ltd. (1990).
AT	5	Streit, W.J., et al., "Histochemical Localization of Galactose-Containing Glycoconjugates in Sensory Neurons and Their Processes in the Central and Peripheral Nervous System of the Rat," <i>J. Histochem. Cytochem.</i> 33:1042-1052, The Histochemical Society, Inc. (1985).

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26 SEP 2001

Page 6 of 6

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	6	Welch, M. and Foster, K., "Chapter 26- Cell Culture of Neurons of the Peripheral Nervous System of Birds and Mammals: 26.1.1 Embryonic Rat Spinal Sensory Ganglia," in <i>The Neuron in Tissue Culture</i> , Haynes, L.W., ed., John Wiley & Sons Ltd., New York, N.Y., pp. 389-393 (December 1999).
	AS	6	Zhou, L., et al., "Expression and Purification of the Light Chain of Botulinum Neurotoxin A: A Single Mutation Abolishes Its Cleavage of SNAP-25 and Neurotoxicity after Reconstitution with the Heavy Chain," <i>Biochemistry</i> 34:15175-15181, American Chemical Society (1995).
	AT	6	English Abstract of European Patent No. EP 0 602 686 A2 from esp@cenet database -12.

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